

NAMTRAGRU

“We train the Fleet”



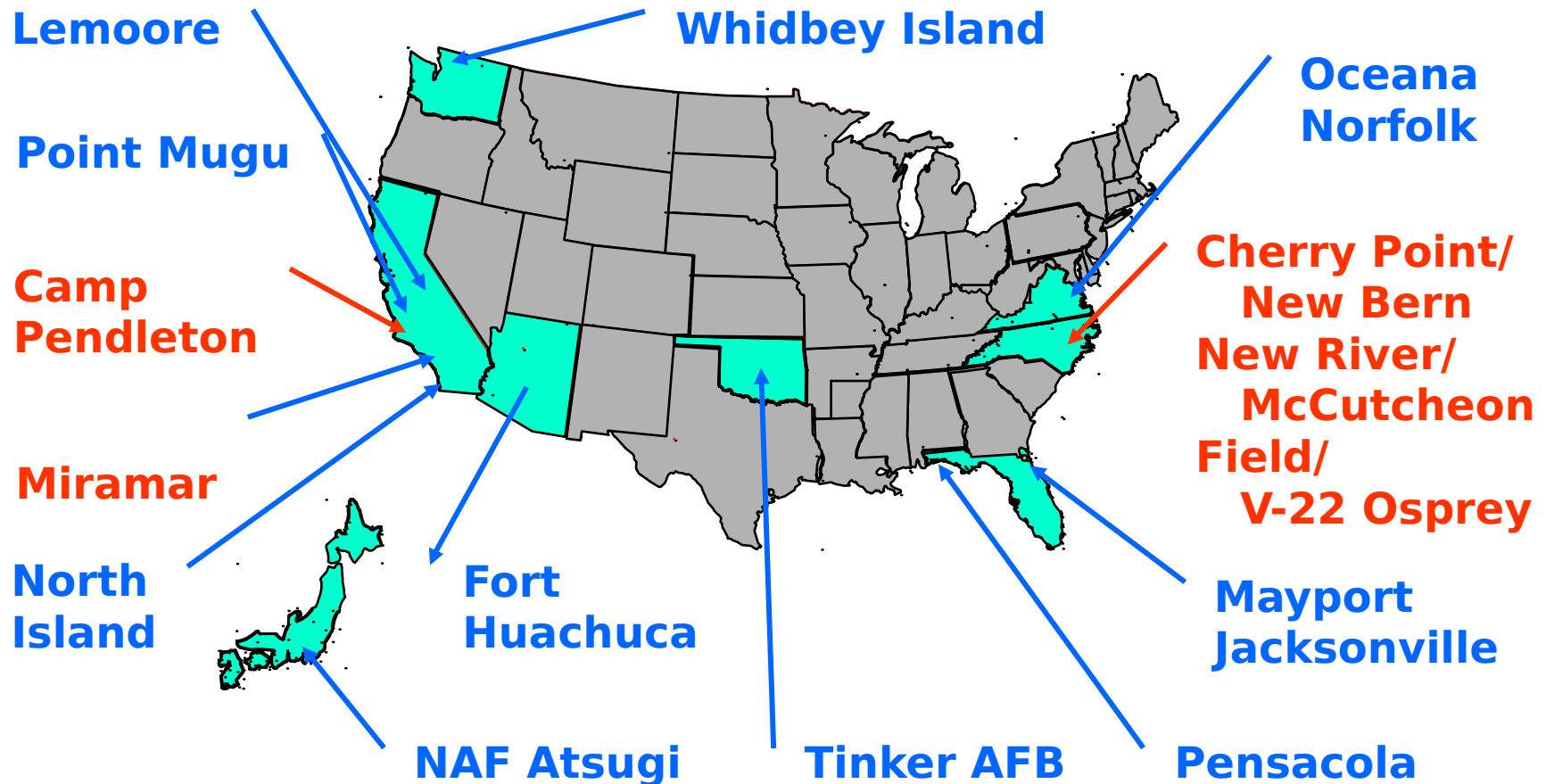
OUTLINE

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- AMTCS Support Module Program
- ETM / IETM / PEDD
- Summary

MISSION

We provide technical training for military and civilian personnel in the operation, maintenance and repair of aeronautical equipment/systems through theory and practical application in response to Fleet requirements. Additionally, NAMTRAGRU provides technical support and serves as a technical advisor to COMNAVAIRSYSCOM in the maintenance training acquisition process.

NAMTRA UNITS / DETS



NAMTRA AIRLANT

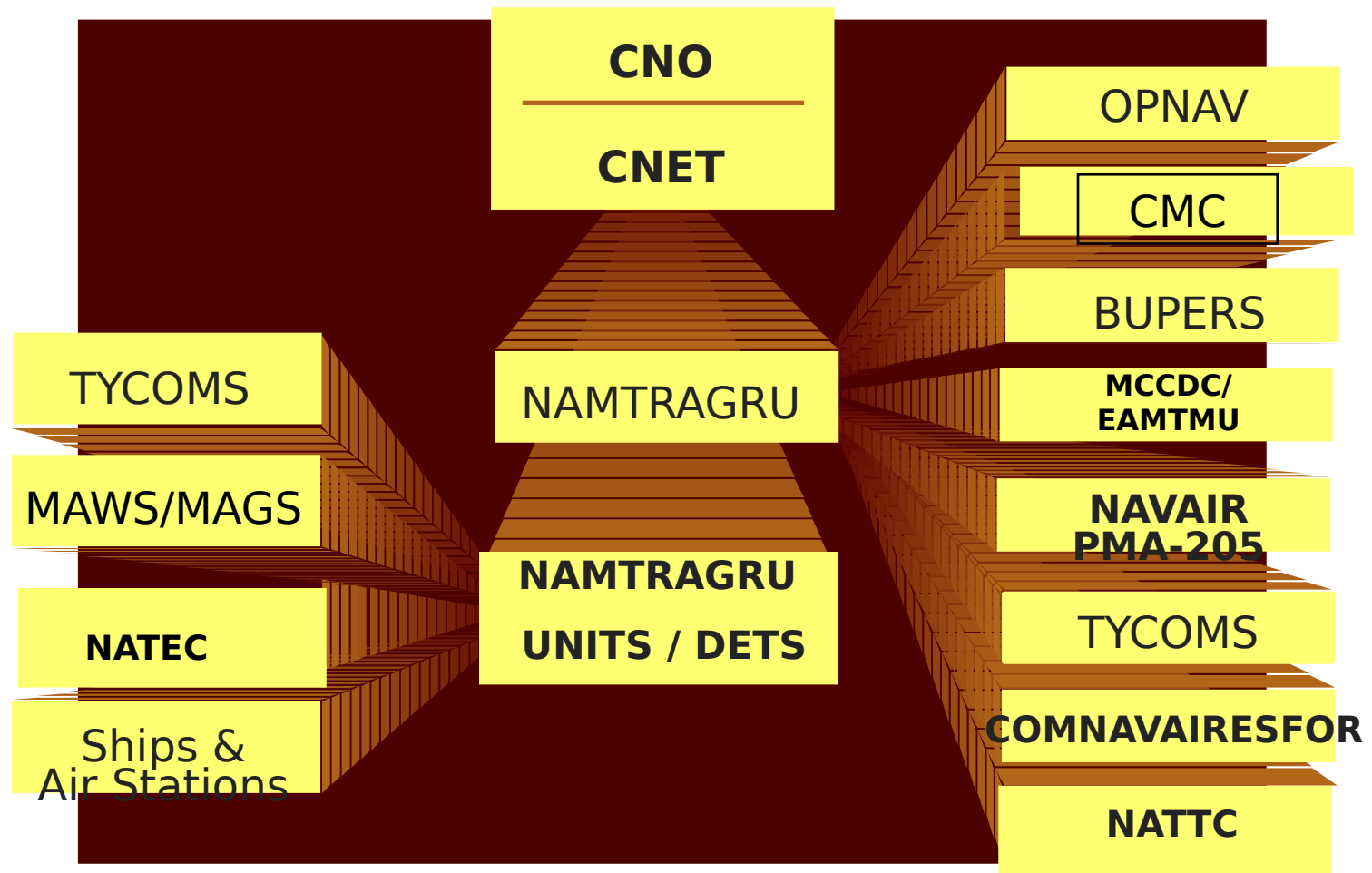
<u>Detachment</u>	<u>Systems</u>	<u>Courses</u>
NAS Oceana	F14, ATE, F/A18C/D, F/A18E/F	96
NAS Norfolk	E2/C2, H53 AB, ALW	69
MCAS Cherry Pt	AV8, ECM, ALW	47
New Bern	C130	21
MCAS New River	CH46, V22	19
McCutcheon Field	CH53	18
NAS Mayport	SH60B, ALW	24
NAS Jacksonville	P3C, SH60F, SH3, SE, S3	128
NAS Atsugi	2M	7
TOTALS		429

NAMTRA AIRPAC

<u>Detachment</u>	<u>Systems</u>	<u>Courses</u>
NAS Whidbey Is.	P3C, EP3, EA6B	93
NAS Lemoore	F/A18C/D,E/F	56
Camp Pendleton	AH1W, UH1N	26
NAS North Island*	SH60B/F, CH46, S3, SE, ALW, AB, ATE	168
NAS Pt Mugu	E2/C2	17
Fort Hauchuca	UAV	8
Tinker AFB	E6A/B	26
TOTALS		394
(AIRPAC + AIRLANT)TOTALS		823

* Includes ATE at MCAS Miramar

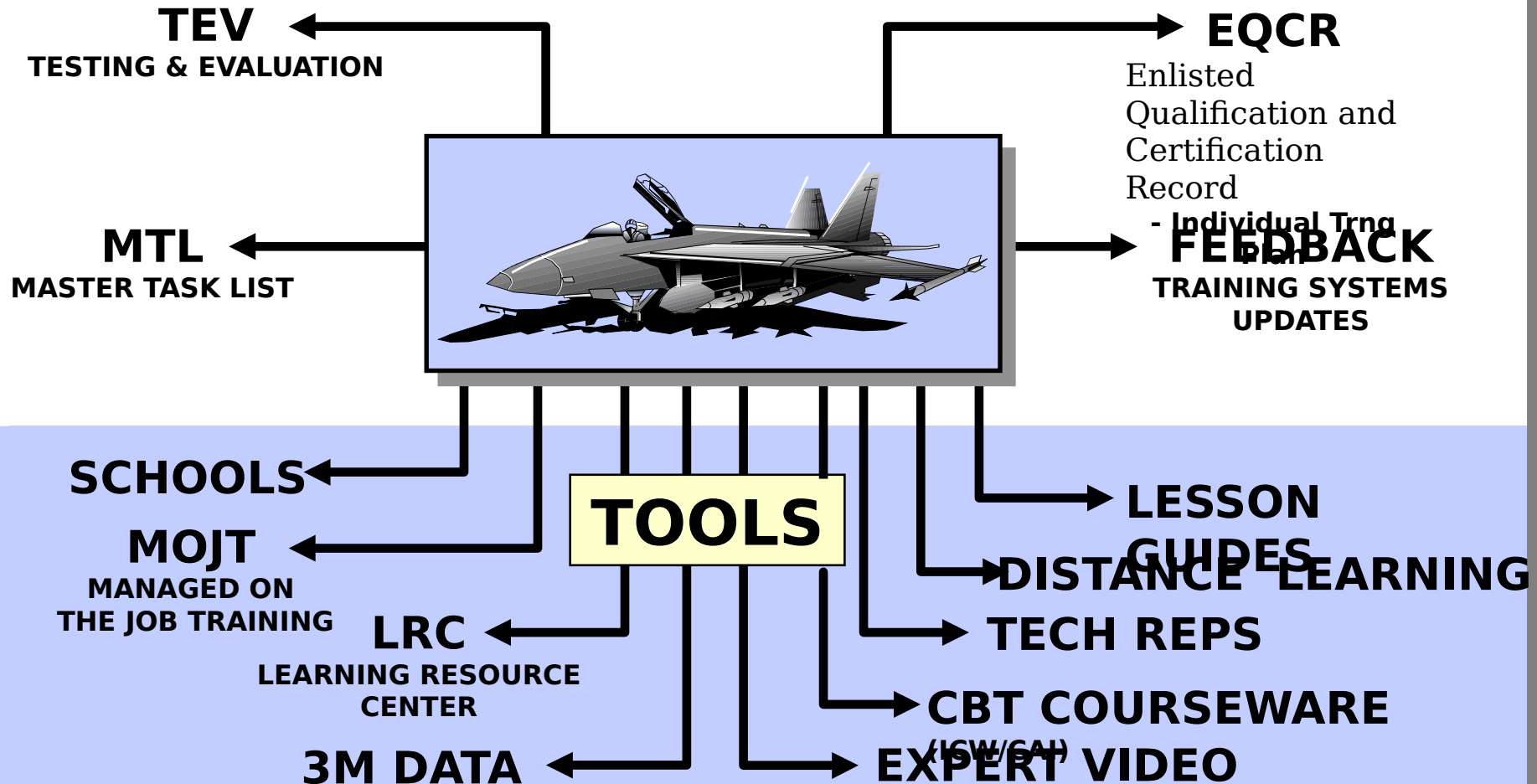
WORKING RELATIONSHIPS



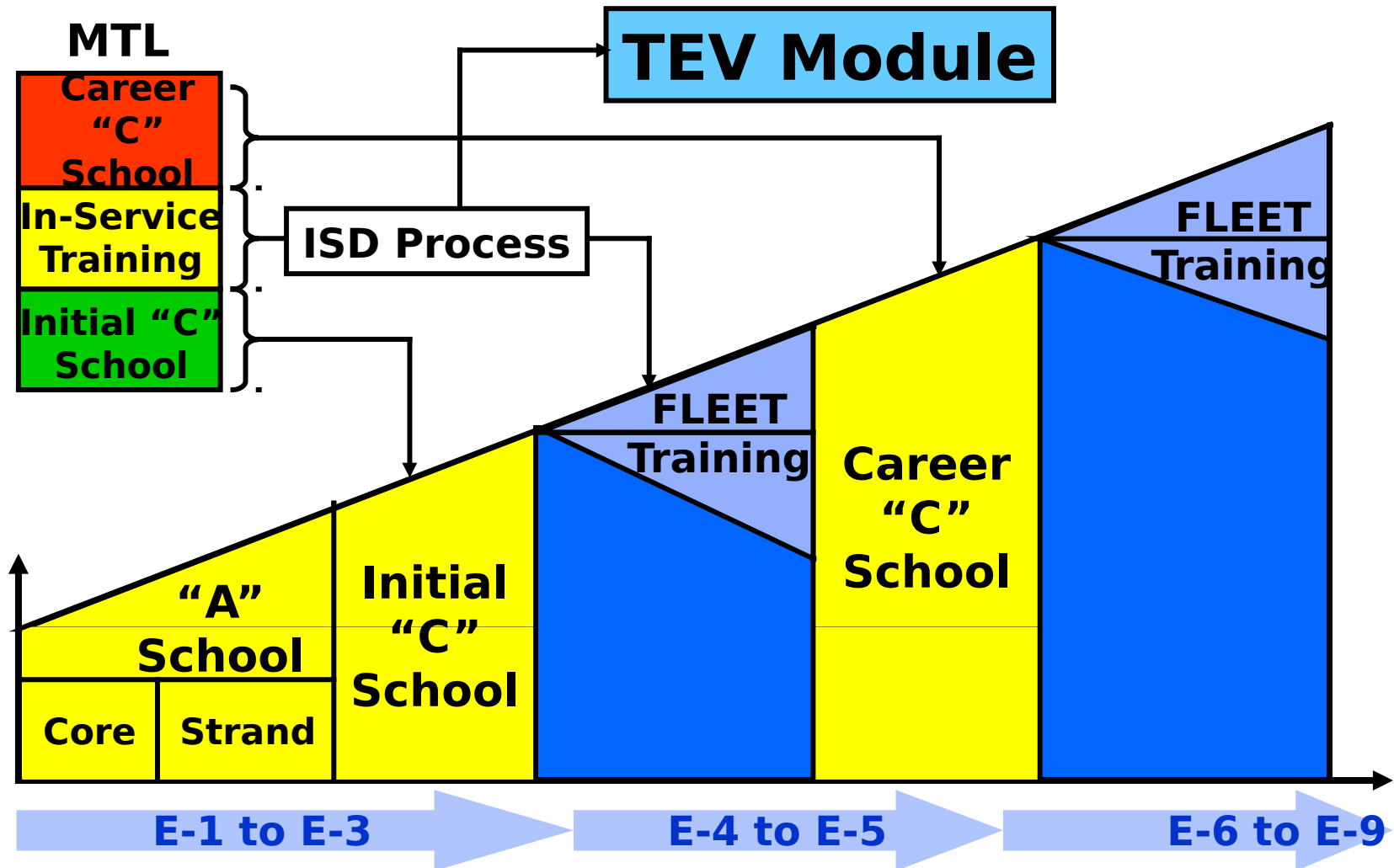
AMTCS SUPPORT MODULE (ASM) PROGRAM

- Aviation Maintenance Training Continuum System (AMTCS)
 - Integrated, Standard Fleet and Schoolhouse Curricula
 - Job Task Related Requirements Based
 - Built in Standard Metrics/Test and Evaluation
 - Budgeted Life Cycle Management
 - Improved Skills Reutilization
 - Enlisted Qualification and Certification Record

AMTCS PROGRAM OVERVIEW



AMTCS PROGRAM OVERVIEW



NAMTRA POLICY

- NAMTRA Det training will parallel the way the fleet operates
- Ensure the students continue to receive quality training
- Manage the infusion of emerging technology into training

TRAINING ISSUES

PROBLEMS:

- No ETM standard across platforms. Various electronic formats (PDF, SGML, DynaText)
- \$\$\$\$ to maintain each electronic or paper tech manual differently
- Proprietary issues i.e. front-end reader to take advantage of meta tagging
- Page turner (must bore down (PDF))
- PDF requires full download of document (time and bandwidth issue)
- Can NOT maximize use of ETMs in training
- IETMs - currently non-existent as defined by functional requirements of the SCORM
- No standardized LCM Plan in place for Portable Electronic Display Devices (PEDDs)

TRAINING ISSUES

Cont

SOLUTION:

- Develop a standard to satisfy IETM and training

RESULTS:

- Interactive with any application (IMI / ICW / WBT)
- Reusable / Shareable / Searchable / Scaleable / Portable
- Repository accessible
- Allows for configuration management and revisable units
- Improves use of limited bandwidth

TECH DATA ISSUES AFFECTING TRAINING

- Collaborative effort vs. Independent effort
 - Training plus tech data = \$\$ saved
- Standardized implementation of acquisition policy i.e. SOOs, SOWs, DIDs
- Funding constraints impact training
- Cross referencing of DoD directives, standards, policy
- Course Structure Format (CSF) and Metadata tagging (DTD)

TRAINING ISSUES AFFECTING TECH DATA

- Defense Training Standards MIL-PRF 29612-5, Advanced Distributed Learning (ADL) Products and Systems Handbook
 - Jun 01 release (CBT Acquisition Document)
 - Places the requirement for Web deliverable, SCORM compliant CBT
 - Requires integration of IETMs to CBT

UNRESOLVED ISSUES

- How does NMCI effect ETM/IETM
 - DoD Information Technology Security Certification and Accreditation Process (DITSCAP)
- How will fleet operate using ETM/IETMs? It varies by platform
- Will/How will ETM/IETMs interface with other initiatives?
- Instructor training requirements (BIT)?
- ETM delivery schedule by platform? (NATEC - 5000 in 1.5yrs - 20,000 left) Cost effective? ETM vice IETM?
- H/W and publication delivery schedule for school houses needs to be in line with CBT acquisition

CHALLENGE

- Develop a proposal for consideration to test proof of concept for SCORM compliant IETM from existing PDF and SGML tagged ETM
 - Test proposal includes using existing web-based ICW lessons to link with IETM
 - Proposal will primarily focus on IETM format using SCORM standards with MIL-STD-3001 and MIL-PRF-29612-5 to integrate Tech Manual with training
 - Developing a strategy to progress to IETMs
- IETM IPT to marry documentation, training, publications, and identify and resolve issues with policy and guidelines

ETM/IETM/PEDD Summary

- ALL TECHNICAL DATA IS TRAINING DATA.
- Develop common policy that addresses training and tech manuals using ETMs/IETMs
 - SCORM Compliance
 - Link IETMs to CBT -Integrate with NALCOMIS and Wireless Electronic Classroom (ECR)
 - Identify Total Rqmts -Identify & publish an implementation schedule by platform
 - PEDD Life Cycle Management Plan
- Ensure coordinated effort

POINTS OF CONTACT

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